1449A/PTO
Rev. 10/95

U.S. Department of Commerce
Patent and Trademark Office

LIST OF PRIOR ART CITED BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete If Known	
Application Number	
Filing Date	6/25/99
First Named Inventor	BECHTOLSHEIM
Group Art Unit	
Examiner Name	
Attorney Docket Number	CISCO-13161

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	U.S. Patent Document Number	Kind Code[2] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		5,570,356		FINN ET AL	10-29-1996	C3 l 31-54
		5,587,709		JEONG	12-24-1996	C2 l 23-26
		5,675,584		JEONG	10-7-1997	C8 l 58-C9 l 5
		5,566,193		CLOONAN	10-15-1996	
		5,864,303		OFEK	9-5-1989	
		4,958,344		SCOTT	9-18-1990	C4 l 24-29
		5,625,563		ROSTOKER ET AL	4-29-1997	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Office[3]	Number[4]	Kind Code[5] (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T[6]

Examiner Signature		Date Considered	

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

[1] Unique citation designation number. [2] See attached Kinds of U.S. Patent Documents. [3] Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). [4] For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. [5] Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

I hereby certify that this correspondence is being deposited as express mail # EL102854092US with the United States Postal Service in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on 6/25/99 Date

By _____

6/25/99 Date of Signature

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Bechtolsheim, Frazier, Edsall

Title: Multi-Function High Speed Interface

INFORMATION DISCLOSURE STATEMENT

Pursuant to 37 CFR 1.97(c), the following information is submitted for consideration by the examiner:

U.S. Patent #5,570,356

Inventor: Finney et al

Title: High Bandwidth Communications System having Multiple Serial Links.

Issued: Oct 29, 1996

Filed: Jun 7, 1995

This patent discloses a transmitter 104 which splits data into a plurality of byte lanes 106, 108, 110, each of which is 8B/10B encoded and serialized 116, 118, 120, and then deserialized 136, 138, 140, 10B/8B decoded 146, 148, 150 and byte synchronized 152 (col 3 lines 31-54).

U.S. Patent #5,587,709

Inventor: Jeong

Title: High Speed Serial Link for Fully Duplexed Data Communication

Issued: Dec 24, 1996

Filed: Dec. 29, 1995

A serial receiver has a multi-phase oversampled clock which frames received data by determining clock and data boundaries (col 2 lines 23-26).

U.S. Patent #5,675,584

Inventor: Jeong

Title: High Speed Serial Link for Fully Duplexed Data Communication

Issued: Oct. 7, 1997

Filed: Dec. 29, 1995

A transmitter related to the receiver of #5,587,709 above includes a parallel to serial converter utilizing and

gates instead of high speed registers (col 8 line 58 to col 9 line 5).

U.S. Patent #5,566,193

Inventor: Cloonan

Title: Method and Apparatus for Detecting and Preventing the Communication of Bit Errors on a High Performance Serial Data Link.

Issued: Oct. 15, 1996

Filed: Dec 30, 1994

This patent describes an error correction scheme using a parity generator 46, two fully operational and redundant links 36o and 38o, and a voting scheme at the receiver 100 which selects an error-free output from the two available outputs.

U.S. Patent #5,864,303

Inventor: Ofek

Title: Encoder/Decoder system and methodology utilizing conservative coding with block delimiters, for serial communication.

Issued: Sep. 5, 1989

Filed: Feb 13, 1987

This patent describes a methodology for selecting codes for parallel to serial encoding and decoding

U.S. Patent #4,958,344

Inventor: Scott

Title: System for Transmitting and Receiving Asynchronous Non-Homogeneous Variable Width Parallel Data over a Synchronous High Speed Serial Transmission Media.

Issued: Sep. 18, 1990

Filed: May 23, 1989

This patent describes a scalable transmitter 501 and scalable receiver 1535 coupled via a single serial link 1525 for sending command data 101 and parallel data 102 at different rates (col 4 lines 24-29).

U.S. Patent #5,625,563

Inventor: Rostoker et al.

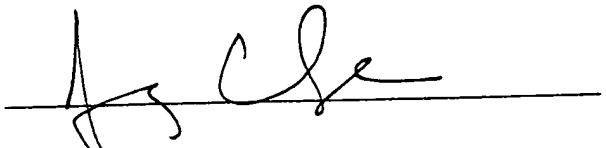
Title: Method and System for Reducing the Number of Connections between a plurality of Semiconductor Devices.

Issued: Apr. 29, 1997

Filed: Jan 9, 1995

A plurality of serial links may be individually enabled to facilitate device to device communications.

Respectfully Submitted,



Jay Chesavage

Registration No. 39,137